

Research Interest My research interests are in large scale data management systems and their applications.

Education **University of California, Berkeley** 2004 - 2010
PhD Student in Computer Science Advisor: Joseph M. Hellerstein

Stanford University 2002 - 2004
Masters of Science in Computer Science Advisor: Hector Garcia-Molina

University of California, Berkeley 1998 - 2001
Bachelor of Arts in Computer Science Graduated with Highest Honors

Work Experience **Yahoo! Reserach** Research Intern
Santa Clara, CA Summer 2007 and 2008
Developed optimization tools and algorithms for the Pig platform.

Intel Research Research Intern
Berkeley, CA Summer 2004, 2005, and 2006
Designed and developed a declarative language and runtime for expressing and executing network protocols.

Oracle Corporation Server Technology Engineer
San Mateo, CA 2001 - 2002
Developed and maintained extensions to the SQL compiler in Oracle 9i.

Sybase Inc. Database Administrator
Emeryville, CA 1998 - 2001
Installation and maintenance of Sybase database server and application products.

Selected Publications **MapReduce Online** Fall 2009
UC Berkeley Technical Report No. UCB/EECS-2009-136. In submission.
Authors: Tyson Condie, Neil Conway, Peter Alvaro, Joseph M. Hellerstein, Khaled Elmeleegy, and Russell Sears.

BOOM: Data-Centric Programming in the Datacenter Fall 2009
UC Berkeley Technical Report No. UCB/EECS-2009-113. In submission.
Authors: Peter Alvaro, Tyson Condie, Neil Conway, Khaled Elmeleegy, Joseph M. Hellerstein, and Russell Sears.

Evita Raced: Metacompilation for Declarative Networks Fall 2008
In 34th International Conference on Very Large Data Bases (VLDB).
Authors: Tyson Condie, David Chu, Joseph M. Hellerstein, and Petros Maniatis.

ROFL: Routing On Flat Labels Spring 2007
In ACM SIGCOMM International Conference on Computer Communication.
Authors: Matthew Caesar, Tyson Condie, Jayanthkumar Kannan, Karthik Lakshminarayanan, Ion Stoica, Scott Shenker.

Declarative Networking: Language, Execution and Optimization Fall 2006
In ACM-SIGMOD International Conference on Management of Data.
Authors: Boon Thau Loo, Tyson Condie, Minos Garofalakis, David A. Gay, Joseph M. Hellerstein, Petros Maniatis, Raghu Ramakrishnan, Timothy Roscoe and Ion Stoica.

Teaching **UC Berkeley Teaching Assistant** 2001 and 2004
Teaching assistant for two courses (Machine Structures and Database Systems) in 2001 and one course (Database Systems) in 2004.